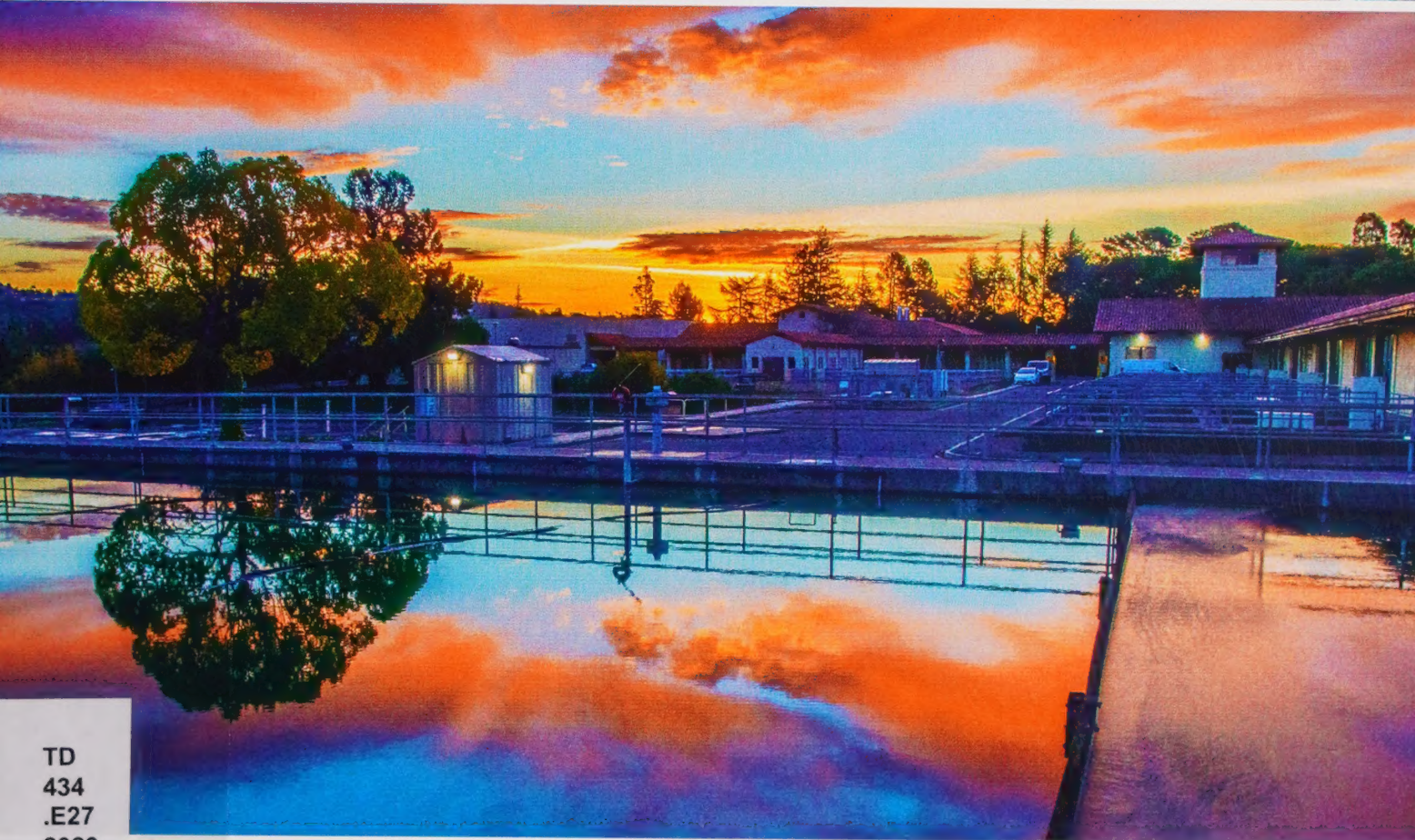


UPPER SAN LEANDRO WATER TREATMENT PLANT

Maintenance, Reliability,
and Chemical Systems
Safety Improvements Project



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Protecting your water into the future

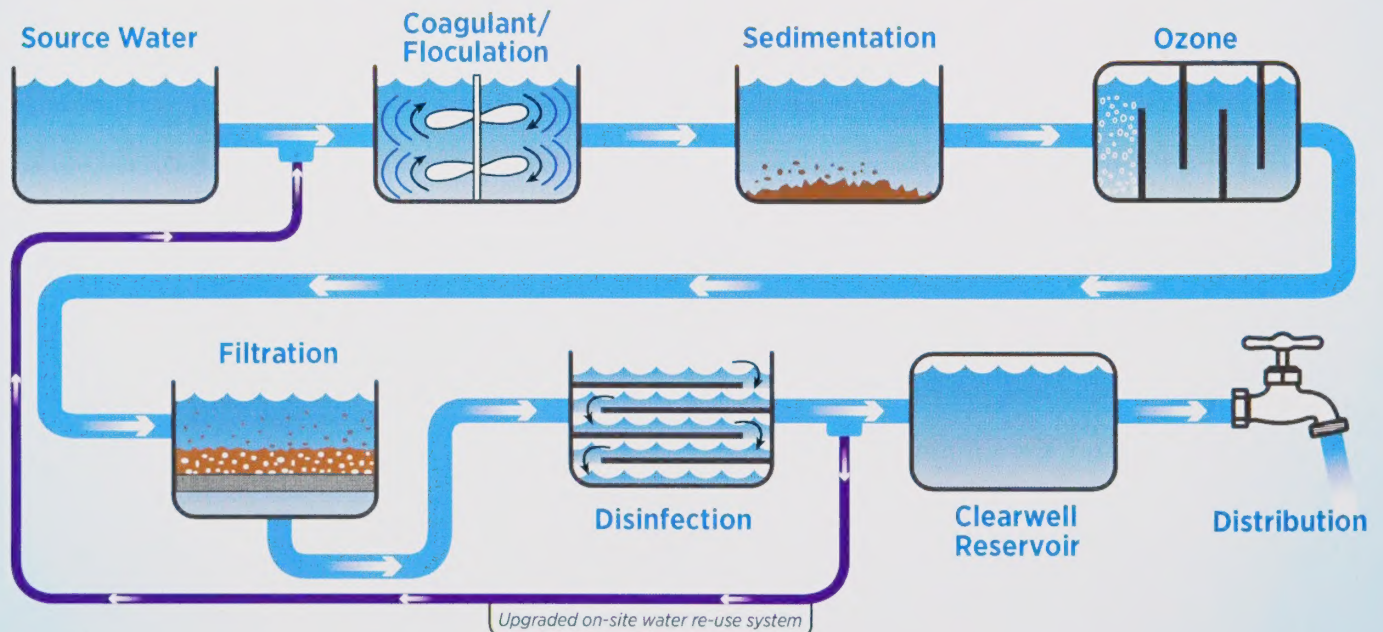


The Upper San Leandro (USL) Water Treatment Plant



The USL Water Treatment Plant provides drinking water to communities in Alameda, Castro Valley, Hayward, Oakland, Piedmont, San Leandro, and San Lorenzo. The plant is critical to meet water demands during drought and emergency outages. This project features multiple upgrades that will enhance the plant's reliability and resiliency.

USL Water Treatment Plant Process



Project Timeline



The Importance of a Reliable USL Water Treatment Plant



Drought Preparedness

The USL WTP is a critical piece of EBMUD's water system during periods of drought, due to our reliance on supplemental water supplies from the Sacramento River. This supplemental water requires more extensive treatment than primary source water from the Pardee Reservoir, and can currently only be treated at the USL and Sobrante WTPs.



Emergency Preparedness

The USL WTP is considered a critical facility during emergency outages and serves as a backup solution when EBMUD's water supply is impaired by wildfire or other emergencies, such as reduced water quality or loss of access to the Pardee Reservoir.

How This Project Will Provide a Reliable Water Treatment Plant



Increase Plant Capacity

Current capacity limitations at the USL WTP prevent EBMUD from taking its full allotment of supplemental water from the Sacramento River. This project will allow the plant to treat 12 percent more water from this supplemental supply.



Replace Aging Infrastructure

This project will rehabilitate aging infrastructure throughout the plant, including a chlorine contact basin built in the 1920s.



On-site Water Re-use

Upgrades to the plant's secondary treatment systems will increase the amount of water sent back to the head of the plant for treatment.



Seismic Reliability

To increase the plant's ability to withstand earthquakes, this project provides multiple seismic upgrades, including the anchorage of tanks and equipment, and installation of seismic controls to prevent uncontrolled release of raw water into the surrounding area in the event of an earthquake.



Chemical Safety

Safety improvements to the treatment plant's chemical systems include upgrades to chemical storage and feed equipment, chemical leak detection, and ventilation and will keep our staff and the environment safe.

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